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September 3, 2013

Ms. Marlene Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Room TW-A325
Washington, D.C. 20554

Re: *Notice of Oral Ex Parte Presentation*

Expanding the Economic and Innovation Opportunities of Spectrum Through Incentive Auctions, GN Docket No. 12-268

Dear Ms. Dortch:

On August 29, 2013, Kathleen Ham, Karri Kuoppamaki, Steve Sharkey, and Chris Wieczorek of T-Mobile USA, Inc.¹ (“T-Mobile”) and Trey Hanbury of Hogan Lovells US LLP (counsel to T-Mobile) met with Edward Smith and Gary Epstein of the Incentive Auction Task Force, Jennifer Tomchin, Madelaine Maior, Sasha Javid, Chris Helzer, Tom Peters, and John Leibovitz of the Wireless Telecommunications Bureau, John Williams and Evan Kwerel of Office of Strategic Planning and Policy Analysis, and Renee Gregory, Robert Weller, Matthew Hussey of the Office of Engineering and Technology. During the meeting, the participants discussed the attached slides.

T-Mobile’s representatives explained that deploying TD-LTE at 600 MHz will result in both efficiency losses and operational deficiencies. TD-LTE in low-frequency spectrum has link budget deficits and performance constraints compared to FDD LTE as well as real-world limitations on the feasibility of variable downlink-uplink configurations. These drawbacks have limited development of TD-LTE in low frequency bands as manufacturers and regulatory authorities around the world have focused on deploying TD-LTE in higher frequency bands where the performance challenges are less pronounced.

The participants concluded by observing that although TD-LTE remains a good option for unpaired spectrum in higher frequency bands, FDD LTE has important advantages over TD-LTE for national mobile broadband deployments in low-frequency bands.

¹ T-Mobile USA, Inc. is a wholly-owned subsidiary of T-Mobile US, Inc., a publicly traded company.

Pursuant to Section 1.1206(b)(2) of the Commission's rules, an electronic copy of this letter is being filed for inclusion in the above-referenced docket. Please direct any questions regarding this filing to the undersigned.

Respectfully submitted,

/s/ Trey Hanbury

Trey Hanbury
Counsel to T-Mobile USA, Inc.

Attachment A

cc: Edward Smith
Gary Epstein
Jennifer Tomchin
Madelaine Maior
Sasha Javid
Chris Helzer
Tom Peters
John Leibovitz
John Williams
Evan Kwerel
Renee Gregory
Robert Weller
Matthew Hussey